| Indov | of Claims | c |
|-------|-----------|---|



Application/Control No.

10/030,225

Examiner

Reexamination

Applicant(s)/Patent under

OTA ET AL.

Art Unit

Rachel K. Hunnicutt

1647

| √ | Rejected |
|---|----------|
| = | Allowed  |

(Through numeral)
Cancelled

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Non-Elected N

Interference

Appeal Α o Objected

|          |                                                    | L                                     |              |              |                                     |                                                  | J            |          |          |           |  |  |  |
|----------|----------------------------------------------------|---------------------------------------|--------------|--------------|-------------------------------------|--------------------------------------------------|--------------|----------|----------|-----------|--|--|--|
|          |                                                    | Date                                  |              |              |                                     |                                                  |              |          |          |           |  |  |  |
| Cla      | ım                                                 | L                                     |              |              |                                     | Jate                                             | _            |          |          | ,         |  |  |  |
|          | -                                                  | L <sub>O</sub>                        |              |              |                                     |                                                  |              |          |          |           |  |  |  |
| Final    | Original                                           | 3/15/05                               |              |              |                                     |                                                  |              |          |          |           |  |  |  |
| 這        | ŗ                                                  | 7,                                    |              |              |                                     |                                                  |              |          |          |           |  |  |  |
|          | 0                                                  | ''                                    |              |              |                                     |                                                  |              |          |          |           |  |  |  |
|          | 1                                                  | 1                                     | _            | _            | _                                   | Т                                                | $\vdash$     | $\vdash$ | Г        | П         |  |  |  |
|          | 1<br>3<br>4<br>5<br>6                              | <u> </u>                              |              | $\vdash$     | H                                   |                                                  | $\vdash$     |          | Н        | Н         |  |  |  |
|          | 1                                                  | -                                     | <del> </del> | ┝            | Н                                   |                                                  | ⊢            | $\vdash$ | $\vdash$ | $\vdash$  |  |  |  |
|          | 4                                                  | -7                                    | ├            | ⊢            | $\vdash$                            | ┝                                                | $\vdash$     | -        |          | $\vdash$  |  |  |  |
| i        | 4                                                  | √<br>√<br>√                           |              |              |                                     |                                                  | -            | <u> </u> |          | $\vdash$  |  |  |  |
|          | 5                                                  | Ÿ                                     | _            |              | L                                   | _                                                | <u> </u>     |          |          |           |  |  |  |
|          | 6                                                  | ٧                                     |              | _            |                                     |                                                  | <u> </u>     |          |          | Ш         |  |  |  |
|          |                                                    |                                       |              | _            |                                     |                                                  | <u> </u>     |          |          | Щ         |  |  |  |
| L        | <del>დ</del> 0,                                    |                                       | L_           |              |                                     |                                                  |              |          |          |           |  |  |  |
|          | 9                                                  |                                       |              |              |                                     |                                                  |              |          |          |           |  |  |  |
|          | 10                                                 |                                       |              |              |                                     |                                                  |              |          |          |           |  |  |  |
|          | 1/1                                                | 1                                     | <u> </u>     | Т            |                                     | <u> </u>                                         | T            | Г        |          |           |  |  |  |
|          | 15                                                 |                                       |              | Г            | П                                   |                                                  | Г            | Г        | Г        | П         |  |  |  |
| $\vdash$ | 1/2                                                | $\vdash$                              | $\vdash$     | $\vdash$     |                                     |                                                  | $\vdash$     | $\vdash$ | $\vdash$ | H         |  |  |  |
| $\vdash$ | <del>                                       </del> | $\vdash$                              | $\vdash$     | $\vdash$     |                                     | $\vdash$                                         | $\vdash$     | $\vdash$ | $\vdash$ | Н         |  |  |  |
| $\vdash$ | 1                                                  | $\vdash$                              | $\vdash$     | $\vdash$     | -                                   | $\vdash$                                         | ├            | ├        | -        | Н         |  |  |  |
| <u> </u> | 12                                                 | <u> </u>                              | $\vdash$     | $\vdash$     |                                     | <u> </u>                                         | <del> </del> | <b> </b> | <u> </u> | Н         |  |  |  |
|          | 10<br>11<br>12<br>13<br>14<br>15<br>16             | <u> </u>                              | _            | <u> </u>     | -                                   | <u> </u>                                         | <u> </u>     | <u> </u> | _        | Щ         |  |  |  |
|          | 1                                                  | _                                     | _            |              |                                     | <u> </u>                                         | L.           |          | _        | Ш         |  |  |  |
|          | 1 <b>8</b><br>19                                   | _                                     |              |              |                                     |                                                  |              |          |          | Ш         |  |  |  |
|          | 19                                                 | 7 7 7                                 |              |              |                                     |                                                  |              |          |          |           |  |  |  |
|          | 20                                                 | 1                                     |              |              |                                     |                                                  |              |          |          | П         |  |  |  |
|          | 21                                                 | 1                                     |              |              |                                     | Г                                                |              |          |          | П         |  |  |  |
|          | 22                                                 | V                                     | _            |              |                                     | $\vdash$                                         |              |          |          | П         |  |  |  |
|          | 20<br>21<br>22<br>23                               | i i                                   | -            | $\vdash$     |                                     |                                                  | $\vdash$     | $\vdash$ | $\vdash$ | Н         |  |  |  |
| $\vdash$ | 24                                                 | 1                                     | $\vdash$     | $\vdash$     |                                     |                                                  |              |          |          | Н         |  |  |  |
| <u> </u> | 24<br>25<br>26<br>27<br>28<br>29<br>30<br>31       | √<br>√<br>√                           | _            | ⊢            | $\vdash$                            | -                                                |              | ⊢        | $\vdash$ | Н         |  |  |  |
|          | 25                                                 | \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ | -            | -            | -                                   | -                                                | <del> </del> | -        | -        | Н         |  |  |  |
| <u> </u> | 26                                                 | ٧                                     | <u> </u>     |              |                                     |                                                  |              |          |          |           |  |  |  |
| <u> </u> | 27                                                 | _                                     | _            | <u> </u>     |                                     | _                                                | <u> </u>     | <u> </u> | <u> </u> | Ш         |  |  |  |
|          | 28                                                 |                                       |              | _            |                                     |                                                  |              | _        |          | Ш         |  |  |  |
|          | 29                                                 |                                       |              |              |                                     |                                                  |              | L        |          |           |  |  |  |
|          | 30                                                 |                                       |              |              |                                     |                                                  |              |          |          |           |  |  |  |
|          | 31                                                 |                                       |              |              |                                     |                                                  |              |          |          |           |  |  |  |
|          | 32                                                 |                                       |              | <u> </u>     |                                     | <u> </u>                                         |              |          |          | П         |  |  |  |
|          | 32<br>33                                           |                                       |              |              |                                     |                                                  |              |          |          | П         |  |  |  |
|          | 34<br>35                                           |                                       |              |              |                                     |                                                  |              |          |          | Н         |  |  |  |
|          | 35                                                 |                                       | ┢            | $\vdash$     | $\vdash$                            | $\vdash$                                         | $\vdash$     | $\vdash$ | $\vdash$ | $\vdash$  |  |  |  |
|          | 36                                                 |                                       |              | -            | $\vdash$                            | -                                                | -            |          | $\vdash$ | $\vdash$  |  |  |  |
| -        | 37                                                 | _                                     | _            | -            | <u> </u>                            | -                                                | ├-           | <u> </u> |          | -         |  |  |  |
| <u> </u> | 37                                                 | ├                                     | ├—           | <u> </u>     | <del> </del>                        | -                                                | -            | <u> </u> |          |           |  |  |  |
|          | 38                                                 |                                       |              | <u> </u>     | <u> </u>                            | _                                                | <u> </u>     | _        | _        | $\square$ |  |  |  |
|          | 39                                                 |                                       | _            | <u> </u>     | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ |                                                  | _            | _        |          | Ш         |  |  |  |
|          | 40                                                 |                                       |              | _            | _                                   |                                                  | _            |          | _        | Ш         |  |  |  |
|          | 41                                                 |                                       |              |              |                                     |                                                  |              |          |          |           |  |  |  |
|          | 42                                                 |                                       |              |              |                                     |                                                  |              |          |          |           |  |  |  |
|          | 43                                                 | Γ                                     |              |              |                                     |                                                  | Г            |          |          | П         |  |  |  |
|          | 44                                                 | Т                                     |              | $\vdash$     |                                     |                                                  | $\vdash$     | $\vdash$ |          | $\vdash$  |  |  |  |
|          | 45                                                 | $\vdash$                              | $\vdash$     | $\vdash$     |                                     | $\vdash$                                         | $\vdash$     | $\vdash$ | $\vdash$ | Н         |  |  |  |
| <b>—</b> | 46                                                 | $\vdash$                              | $\vdash$     | $\vdash$     | $\vdash$                            | <del>                                     </del> | -            | $\vdash$ | -        | $\vdash$  |  |  |  |
| <u> </u> |                                                    | ├                                     | <del> </del> | -            |                                     | -                                                | -            | $\vdash$ |          | Н         |  |  |  |
| <u> </u> | 47                                                 | $\vdash$                              | $\vdash$     | _            | $\vdash$                            | $\vdash$                                         | <u> </u>     | $\vdash$ | -        |           |  |  |  |
|          | 48                                                 | _                                     | _            | _            | <u> </u>                            | _                                                | <u> </u>     | _        | <u> </u> | Ш         |  |  |  |
| L        | 49                                                 | L                                     |              | $oxed{oxed}$ |                                     |                                                  | L            | L.       |          | Ш         |  |  |  |
| 1 .      | 50                                                 | ı -                                   | ı -          | Ι -          | ı                                   | 1                                                |              | ı -      | ı        | 1         |  |  |  |

| laim     |              |          |          | [ | Date     | •        | _            |                                                  |          | ] | Cla   | aim      |          |          |          |   | Date          | e        |   |   |          |
|----------|--------------|----------|----------|---|----------|----------|--------------|--------------------------------------------------|----------|---|-------|----------|----------|----------|----------|---|---------------|----------|---|---|----------|
| Original | 3/15/05      |          |          |   |          |          |              |                                                  |          |   | Final | Original |          |          |          |   |               |          |   |   |          |
| 1        | √            |          |          |   |          |          |              |                                                  |          |   |       | 51       |          |          |          |   |               |          |   |   |          |
| 1        | ļ            |          |          |   |          |          |              |                                                  |          |   |       | 52       |          |          |          |   |               |          |   |   |          |
|          | ļ.,          |          |          |   | L        | _        | _            | _                                                |          |   |       | 53       | _        |          |          |   |               |          |   |   |          |
| 4        | 1            | _        |          |   |          | _        | _            | ļ                                                | _        |   |       | 54       |          | _        |          |   | _             | _        |   |   | -        |
| 5        | 1            |          |          |   | _        |          | <u> </u>     |                                                  | -        |   |       | 55       | Ш        |          | _        |   |               | _        | _ | _ | _        |
| 6        | ٧            |          |          |   |          | -        | $\vdash$     | ⊢                                                |          |   |       | 56       | Н        | -        |          |   | _             | _        | - | _ | $\dashv$ |
| 1        | <del> </del> |          | _        |   |          | -        | <u> </u>     | ⊢                                                | <u> </u> |   |       | 57<br>58 |          |          |          |   |               | -        |   | _ | $\dashv$ |
| 9        | ╁            | -        |          |   | -        |          | <del> </del> | ┢                                                | ┝        |   |       | 59       | $\vdash$ |          | $\vdash$ |   | -             |          | - |   | -        |
| 1        | <del> </del> |          | -        |   |          |          |              |                                                  | -        | 1 |       | 60       | $\vdash$ |          |          | - |               | -        | - | _ |          |
| 11/1     |              | _        | -        | - |          | _        | -            |                                                  | -        |   |       | 61       |          |          |          |   |               |          | _ |   | $\dashv$ |
| 12       |              |          |          |   |          |          | H            | $\vdash$                                         |          |   |       | 62       |          |          | -        |   | $\vdash$      |          |   |   |          |
| 13       | İ            |          |          |   |          |          |              |                                                  |          |   |       | 63       |          |          |          |   | $\vdash$      |          |   |   | $\Box$   |
| 14<br>15 | Π            |          |          |   |          |          |              | Г                                                |          |   |       | 64       |          |          |          |   |               |          |   |   |          |
| 15       |              |          |          |   |          |          |              |                                                  |          |   |       | 65       |          |          |          |   |               |          |   |   |          |
| 16       |              |          |          |   |          |          |              |                                                  |          |   |       | 66       |          |          |          |   |               |          |   |   |          |
| 17       |              |          |          |   |          |          |              |                                                  |          |   |       | 67       |          |          |          |   |               |          |   |   |          |
| 18       | 1            |          |          |   | _        |          | _            | <u> </u>                                         |          |   |       | 68       |          |          |          |   |               |          |   |   |          |
| 19       | 1            | L        |          |   | _        |          |              | L                                                | L        |   |       | 69       | <u>_</u> | <u> </u> |          |   |               | _        |   | _ |          |
| 20       | 1            |          | _        | _ | <u> </u> | _        |              | <u> </u>                                         | _        |   |       | 70       | <u> </u> |          |          |   | L             |          |   |   |          |
| 21       | 1            | <u> </u> | _        |   | <u> </u> | _        | _            | ┞                                                | ⊢        |   |       | 71       |          |          |          |   | <u> </u>      |          | _ |   | Щ        |
| 22       | V            | _        | _        |   | _        | _        | <u> </u>     | ├                                                | _        |   |       | 72       | _        |          |          |   | <u> </u>      | _        | _ | _ | $\vdash$ |
| 23-      | 1            |          |          |   | -        |          |              | -                                                | ⊢        |   |       | 73<br>74 |          |          |          |   | <u> </u>      | _        |   |   | $\vdash$ |
| 24<br>25 | 1            |          |          |   |          |          |              |                                                  | ┢        |   |       | 75       |          |          |          |   | <u> </u>      | _        |   |   |          |
| 26       | Ť            | -        | -        | - |          | -        | ┝            | -                                                | ├        |   |       | 76       | -        | -        | -        | _ | -             | -        | - | - | -        |
| 27       | ¥            | -        |          |   |          |          |              | -                                                | -        |   |       | 77       | -        | $\vdash$ | _        |   | $\vdash$      | $\vdash$ | _ | _ | $\vdash$ |
| 28       | $\vdash$     | $\vdash$ |          |   |          | -        | 一            | $\vdash$                                         | $\vdash$ |   |       | 78       |          | -        |          |   | <del> </del>  | _        | _ | - | $\vdash$ |
| 29       |              |          |          |   |          |          | $\vdash$     | Т                                                | $\vdash$ | l |       | 79       |          |          |          |   | -             | $\vdash$ |   |   |          |
| 30       |              |          |          |   |          |          |              | T                                                | $\Box$   | 1 |       | 80       |          |          |          |   | $\overline{}$ |          |   |   |          |
| 31       |              |          |          |   |          |          |              |                                                  | Γ        | 1 |       | 81       |          |          |          |   | Г             | $\Box$   |   |   |          |
| 32       |              |          |          |   |          |          |              |                                                  |          |   |       | 82       |          |          |          |   |               |          |   |   |          |
| 33       |              |          |          |   |          |          |              |                                                  |          |   |       | 83       |          |          |          |   |               |          |   |   |          |
| 34       | <u> </u>     | _        |          |   |          | _        | <u>_</u>     | L                                                | <u> </u> |   |       | 84       |          |          |          |   |               | _        |   |   |          |
| 35       | ļ            |          |          |   |          |          |              | L                                                |          |   |       | 85       |          |          |          |   |               |          |   |   |          |
| 36       | _            |          |          |   |          | _        |              |                                                  | _        |   |       | 86       |          | _        |          |   |               |          |   |   |          |
| 37       | -            |          |          | _ |          | _        | _            |                                                  |          |   |       | 87       | _        |          |          |   |               |          |   | - | $\dashv$ |
| 38       | -            |          |          | _ |          |          | $\vdash$     | ├                                                | -        |   |       | 88       | -        |          | _        | _ | H             | _        |   | _ | $\dashv$ |
| 39<br>40 | -            |          |          |   |          |          |              | _                                                |          |   |       | 89<br>90 | -        |          | _        |   | -             | $\vdash$ |   | _ | $\dashv$ |
| 41       | ╁╾           | -        | -        | - | -        | -        | ┝            | ┢                                                | -        |   |       | 91       | -        |          | -        |   |               |          |   |   | $\dashv$ |
| 42       |              | H        |          |   | _        | _        | $\vdash$     | $\vdash$                                         |          |   |       | 92       | Н        |          | $\vdash$ |   | -             | -        | _ |   | -        |
| 43       | $\vdash$     |          | _        |   | _        | $\vdash$ | H            | $\vdash$                                         |          |   |       | 93       |          |          |          |   |               |          |   |   | $\dashv$ |
| 44       | m            |          | $\vdash$ | _ |          | $\vdash$ | $\vdash$     | <del>                                     </del> | _        |   |       | 94       |          |          |          |   |               |          |   |   |          |
| 45       | T            | П        |          |   |          |          | $\vdash$     | Г                                                |          |   |       | 95       |          |          |          | _ |               |          |   |   | $\neg$   |
| 46       |              |          |          |   |          |          |              | Γ                                                |          | i |       | 96       |          |          |          |   |               |          |   |   |          |
| 47       | Γ            |          |          |   |          |          |              |                                                  |          |   |       | 97       |          |          |          |   |               |          |   |   |          |
| 48       |              |          |          |   |          |          |              |                                                  |          |   |       | 98       |          |          |          |   |               |          |   |   |          |
| 49       | Ļ            |          |          |   |          |          |              | 匚                                                |          |   |       | 99       |          |          |          |   |               |          |   |   |          |
| 50       | <u> </u>     | لـــا    |          |   | L_       |          | L            | <u> </u>                                         |          |   |       | 100      |          |          |          |   | L             | L        |   | L |          |

| Cl    | aim                      | Date     |   |            |          |              |    |          |          | $\neg$         |
|-------|--------------------------|----------|---|------------|----------|--------------|----|----------|----------|----------------|
| - 01  |                          | -        | _ |            | _        | Jack         | _  | _        | _        | $\dashv$       |
| Final | Original                 |          |   |            |          |              |    |          |          |                |
|       | 101                      |          |   |            |          |              |    |          |          |                |
|       | 102                      |          |   |            |          |              |    |          |          |                |
|       | 103                      | L_       |   |            |          |              |    |          |          |                |
|       | 104<br>105               | <u> </u> |   |            | <u> </u> |              |    | <u> </u> | _        | Ш              |
|       | 105                      | _        | - | L          |          | _            |    | <u> </u> |          | Н              |
|       | 106<br>107               |          |   | $\vdash$   | _        | <u> </u>     |    | <u> </u> | $\vdash$ | Н              |
|       | 108                      |          |   | $\vdash$   |          |              | -  |          |          | ${\mathbb H}$  |
|       | 109                      |          |   | $\vdash$   | _        |              |    | $\vdash$ | -        | $\vdash$       |
|       | 110                      | $\vdash$ |   |            | _        |              |    |          |          | $\vdash$       |
|       | 111                      |          |   |            |          |              |    |          |          |                |
|       | 112                      |          |   |            |          |              |    |          |          |                |
|       | 111<br>112<br>113        |          |   |            |          |              |    |          |          |                |
|       | 114<br>115               |          |   |            |          |              |    |          |          |                |
|       | 115                      |          |   | _          |          | L_           |    |          | <u> </u> | Ш              |
|       | 116<br>117               |          |   | L          |          | ļ            |    | _        | _        | Ш              |
|       | 117                      |          |   |            |          | -            |    |          |          | Н              |
|       | 118<br>119               | _        | _ |            | -        |              |    | ├        |          | $\vdash$       |
|       | 120                      | _        | _ | _          | ⊢        | $\vdash$     | _  | ┝        | $\vdash$ | Н              |
|       | 121                      |          | _ |            | $\vdash$ |              |    | $\vdash$ |          | $\dashv$       |
|       | 122                      | _        |   |            | -        | $\vdash$     |    | $\vdash$ |          | $\vdash$       |
|       | 122<br>123<br>124<br>125 |          |   |            |          | -            |    | $\vdash$ |          |                |
|       | 124                      |          |   |            |          |              |    |          |          |                |
|       | 125                      |          |   |            |          |              |    |          |          |                |
|       | 1 126                    |          |   |            | _        |              |    | _        |          |                |
|       | 127                      |          |   | _          | _        | _            | _  | <u> </u> | _        | Н              |
|       | 127<br>128<br>129        |          |   |            | _        | $\vdash$     | _  | <u> </u> | $\vdash$ | Н              |
|       | 129                      | _        | _ | -          |          | -            |    | ┝        |          | $\vdash$       |
|       | 130<br>131               | _        | _ |            | _        |              |    | -        | $\vdash$ | $\vdash$       |
|       | 132                      |          |   |            | $\vdash$ | -            |    |          | ├─       | $\dashv$       |
|       | 133                      |          |   |            |          |              |    | $\vdash$ |          |                |
|       | 134                      |          |   |            |          |              |    |          |          |                |
|       | 135                      |          |   |            |          |              |    |          |          |                |
|       | 136                      |          |   |            |          |              |    | _        |          |                |
|       | 137                      |          |   | lacksquare |          | $oxed{\Box}$ |    |          |          | Щ              |
|       | 138<br>139               | $\vdash$ |   | $\vdash$   | <u> </u> |              |    | <u> </u> | <u> </u> | Н              |
|       | 140                      | -        | - | $\vdash$   | <u> </u> | $\vdash$     | -  | $\vdash$ | -        | $\vdash\vdash$ |
|       | 141                      |          |   | H          | H        | H            |    | H        | -        | $\vdash$       |
|       | 142                      |          | _ |            |          | H            |    | H        |          | H              |
|       | 143                      |          |   | $\vdash$   | -        | $\vdash$     |    | $\vdash$ | $\vdash$ | H              |
|       | 144                      |          |   |            |          |              |    | Г        |          |                |
|       | 145                      |          |   |            |          |              |    |          |          |                |
|       | 146                      |          |   |            |          |              |    |          |          |                |
|       | 147                      |          |   |            |          |              |    |          |          | Ш              |
|       | 148                      |          |   | _          | <u> </u> | _            |    | <u> </u> | _        | Ш              |
|       | 149                      |          |   |            |          |              |    | <u> </u> | _        | Щ              |
|       | 150                      |          |   |            |          | L            | L_ | <u> </u> |          |                |